

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/661,451
Source: IFW/B
Date Processed by STIC: 2/20/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/661, 451

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

 - 2 _____ Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

 - 3 _____ Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

 - 4 _____ Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

 - 5 _____ Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

 - 6 _____ PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

 - 7 _____ Skipped Sequences
 (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

 - 8 _____ Skipped Sequences
 (NEW RULES) Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

 - 9 _____ Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

 - 10 _____ Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid <213> responses are:** Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence.

 - 11 _____ Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

 - 12 _____ PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

 - 13 _____ Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 02/20/2007

PATENT APPLICATION: US/10/661,451

TIME: 11:22:19

Input Set : N:\efs\02_20_07\10661451_efs\IVGN706Feb1507ST25.txt

Output Set: N:\CRF4\02202007\J661451.raw

3 <110> APPLICANT: Invitrogen Corporation

4 Gee, Kyle

5 Hart, Courtenay

6 Leung, Wai-Yee

7 Patton, Wayne

8 Rukavishnikov, Aleksey

9 Haugland, Richard

10 Diwu, Zhenjun

12 <120> TITLE OF INVENTION: Site-Specific Labeling Of Affinity Peptides In Fusion

Proteins

14 <130> FILE REFERENCE: IVGN 706

16 <140> CURRENT APPLICATION NUMBER: 10/661,451

17 <141> CURRENT FILING DATE: 2003-09-12

19 <150> PRIOR APPLICATION NUMBER: 60/458,472

20 <151> PRIOR FILING DATE: 2003-03-28

22 <150> PRIOR APPLICATION NUMBER: 60/410,612

23 <151> PRIOR FILING DATE: 2002-09-12

25 <160> NUMBER OF SEQ ID NOS: 9

27 <170> SOFTWARE: PatentIn version 3.3

29 <210> SEQ ID NO: 1

30 <211> LENGTH: 10

31 <212> TYPE: PRT

32 <213> ORGANISM: Amino Acid

34 <400> SEQUENCE: 1

36 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu

37 1 5 10

40 <210> SEQ ID NO: 2

41 <211> LENGTH: 6

42 <212> TYPE: PRT

43 <213> ORGANISM: Amino Acid

45 <400> SEQUENCE: 2

47 Asp Thr Tyr Arg Tyr Ile

48 1 5

51 <210> SEQ ID NO: 3

52 <211> LENGTH: 6

53 <212> TYPE: PRT

54 <213> ORGANISM: Amino Acid

56 <400> SEQUENCE: 3

58 Thr Asp Phe Leu Tyr Lys

59 1 5

62 <210> SEQ ID NO: 4

63 <211> LENGTH: 9

64 <212> TYPE: PRT

65 <213> ORGANISM: Amino Acid

Does Not Comp
Corrected Diskette Needed
(ps1-2) @

← See item
10 on error
Summary
Sheet,

FYI:

Per Sequence Rules,
<213> responses has
to be either Artificial
Unknown or Genus/
Species. 2/20/2007

RAW SEQUENCE LISTING

DATE: 02/20/2007

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TIME: 11:22:19

Input Set : N:\efs\02_20_07\10661451_efs\IVGN706Feb1507ST25.txt

Output Set: N:\CRF4\02202007\J661451.raw

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 70 1 5
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 74 <211> LENGTH: 11
 75 <212> TYPE: PRT
 76 <213> ORGANISM: Amino Acid
 78 <400> SEQUENCE: 5
 80 Lys Pro Pro Thr Pro Pro Pro Glu Pro Glu Thr
 81 1 5 10
 84 <210> SEQ ID NO: 6
 85 <211> LENGTH: 11
 86 <212> TYPE: PRT
 87 <213> ORGANISM: Amino Acid
 89 <400> SEQUENCE: 6
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 92 1 5 10
 95 <210> SEQ ID NO: 7
 96 <211> LENGTH: 7
 97 <212> TYPE: PRT
 98 <213> ORGANISM: Amino Acid
 100 <400> SEQUENCE: 7
 102 Asp Leu Tyr Asp Asp Asp Lys
 103 1 5
 106 <210> SEQ ID NO: 8
 107 <211> LENGTH: 14
 108 <212> TYPE: PRT
 109 <213> ORGANISM: Amino Acid
 111 <400> SEQUENCE: 8
 113 Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr
 114 1 5 10
 117 <210> SEQ ID NO: 9
 118 <211> LENGTH: 8
 119 <212> TYPE: PRT
 120 <213> ORGANISM: Amino Acid
 122 <400> SEQUENCE: 9
 124 Asp Tyr Lys Asp Asp Asp Asp Lys
 125 1 5

✓ Same

errors

← See item

#10 on

error

Summary
Sheet.

VERIFICATION SUMMARY

DATE: 02/20/2007

PATENT APPLICATION: US/10/661,451

TIME: 11:22:20

Input Set : N:\efs\02_20_07\10661451_efs\IVGN706Feb1507ST25.txt

Output Set: N:\CRF4\02202007\J661451.raw